Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID	:	**CP-2021-04-19-25** **Date: 11-11-19**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency	:	Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.
Customer's Reference	:	BBMP/EE/BTP/WO/153/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-11-19
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test	:	09-11-19

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory
4	Sunvik	Fe500	16	1.581	572	674	19.0%	Satisfactory	Satisfactory
5	Sunvik	Fe500	20	2.476	584	693	19.0%	Satisfactory	Satisfactory

* The results obtained are satisfactory as per standard requirements.

Note:

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Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID	:	**CP-2021-04-19-25** **Date: 16-12-19**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency	:	Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.
Customer's Reference	:	BBMP/EE/BTP/WO/153/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-12-19
Sample Type/Size	:	Solid concrete blocks size (400X200X200)mm
Reference to BIS codes	:	IS : 2185 (Part 1) : 2005(RA 2010) Concrete Masonry Specification Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex - C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test	:	12-12-19

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	404	200	202	16322	33.631	2060.5	2000.2	Not less than 1800Kg/m^3
2	405	200	198	16038	31.012	1933.7		
3	399	198	201	15879	31.860	2006.4		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.25	4.89	4.25	Shall not be more than 10% by mass
2	33.57	32.14	4.28		
3	33.44	32.24	3.59		

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Lab ID : CP-2021-04-19-25 Date: 16-12-19

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	400	201	200	Length : ± 5mm Breadth : ± 3mm Height : ± 3mm
2	403	203	203	
3	403	202	200	
4	399	201	201	
5	399	202	199	
6	401	203	201	
7	403	203	199	
8	403	202	199	
9	404	203	201	
10	401	203	203	
11	403	200	201	
12	403	203	200	
13	402	201	201	
14	404	199	200	
15	401	201	202	
16	401	202	201	
17	401	199	203	
18	401	201	201	
19	402	199	201	
20	403	201	199	
Average of 20	**402**	**201**	**201**	

Sweetha .N.L
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Lab ID : CP-2021-04-19-25 Date: 16-12-19

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	400	201	80637	480.9	6.0	5.6
2	403	203	81787	477.3	5.8	
3	403	202	81504	441.4	5.4	
4	399	201	80199	436.0	5.4	
5	399	202	80563	430.0	5.3	
6	401	203	81284	434.4	5.3	
7	403	203	81897	439.2	5.4	
8	403	202	81549	473.4	5.8	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-04-19-25** **Date: 26/11/2019**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.

Customer's Reference : BBMP/EE/BTP/WO/153/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-11-19

Customer ID : Footing Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/11/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Footing Concrete	M25	19/11/2019	26/11/2019	151.20 X 150.56 X 149.77	22765	**8.773**	542.3	23.8	22.9
2	Footing Concrete	M25	19/11/2019	26/11/2019	150.87 X 149.86 X 150.69	22610	**8.861**	501.8	22.2	
3	Footing Concrete	M25	19/11/2019	26/11/2019	149.47 X 149.79 X 149.12	22389	**8.679**	510.2	22.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-04-19-25** **Date: 17/12/2019**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.

Customer's Reference : BBMP/EE/BTP/WO/153/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-11-19

Customer ID : Footing Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/12/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Footing Concrete	M25	19/11/2019	17/12/2019	150.21 X 151.53 X 149.75	22761	**9.087**	634.9	27.9	27.5
2	Footing Concrete	M25	19/11/2019	17/12/2019	150.50 X 150.60 X 149.32	22665	**8.631**	592.4	26.1	
3	Footing Concrete	M25	19/11/2019	17/12/2019	151.73 X 150.50 X 151.13	22835	**8.235**	649.9	28.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-04-19-25** **Date: 29/11/2019**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.

Customer's Reference : BBMP/EE/BTP/WO/153/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 25-11-19

Customer ID : Columns Below GL Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 29/11/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Columns Below GL Concrete	M25	22/11/2019	29/11/2019	150.07 X 149.76 X 150.03	22474	**8.773**	524.6	23.3	22.8
2	Columns Below GL Concrete	M25	22/11/2019	29/11/2019	150.90 X 149.91 X 149.46	22621	**8.861**	500.6	22.1	
3	Columns Below GL Concrete	M25	22/11/2019	29/11/2019	150.77 X 150.84 X 149.30	22743	**8.679**	519.5	22.8	

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Page 1/1
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-04-19-25** **Date: 20/12/2019**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.

Customer's Reference : BBMP/EE/BTP/WO/153/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 25-11-19

Customer ID : Columns Below GL Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/12/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Columns Below GL Concrete	M25	22/11/2019	20/12/2019	149.68 X 151.24 X 151.94	22638	**9.087**	617.0	27.3	27.5
2	Columns Below GL Concrete	M25	22/11/2019	20/12/2019	150.24 X 151.00 X 150.45	22686	**8.631**	603.6	26.6	
3	Columns Below GL Concrete	M25	22/11/2019	20/12/2019	151.89 X 150.19 X 151.10	22813	**8.235**	653.7	28.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-04-19-25** **Date: 29/11/2019**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency	:	Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.
Customer's Reference	:	BBMP/EE/BTP/WO/153/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-11-19
Customer ID	:	Columns Below GL Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	29/11/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Columns Below GL Concrete	M25	22/11/2019	29/11/2019	149.05 X 151.38 X 149.64	22563	**8.773**	529.3	23.5	22.8
2	Columns Below GL Concrete	M25	22/11/2019	29/11/2019	150.85 X 150.08 X 149.36	22639	**8.861**	510.5	22.6	
3	Columns Below GL Concrete	M25	22/11/2019	29/11/2019	150.53 X 151.38 X 150.07	22786	**8.679**	509.1	22.3	

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Sweetha .N.L
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-04-19-25** **Date: 20/12/2019**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.

Customer's Reference : BBMP/EE/BTP/WO/153/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 25-11-19

Customer ID : Columns Below GL Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/12/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Columns Below GL Concrete	M25	22/11/2019	20/12/2019	151.26 X 150.68 X 150.32	22791	**9.087**	629.5	27.6	27.5
2	Columns Below GL Concrete	M25	22/11/2019	20/12/2019	150.60 X 151.30 X 149.85	22786	**8.631**	609.7	26.8	
3	Columns Below GL Concrete	M25	22/11/2019	20/12/2019	149.97 X 150.40 X 151.30	22555	**8.235**	632.6	28.0	

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Surekha. N.L
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-04-19-25** **Date: 07/12/2019**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency	:	Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.
Customer's Reference	:	BBMP/EE/BTP/WO/153/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-12-19
Customer ID	:	Front Projection Concrete (Steps)
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/12/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Front Projection Concrete (Steps)	M25	30/11/2019	07/12/2019	150.50 X 150.86 X 149.56	22704	**8.773**	541.2	23.8	22.9
2	Front Projection Concrete (Steps)	M25	30/11/2019	07/12/2019	151.67 X 150.23 X 150.24	22786	**8.861**	517.0	22.7	
3	Front Projection Concrete (Steps)	M25	30/11/2019	07/12/2019	151.17 X 150.09 X 150.92	22690	**8.679**	505.2	22.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-04-19-25** **Date: 28/12/2019**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency	:	Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.
Customer's Reference	:	BBMP/EE/BTP/WO/153/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-12-19
Customer ID	:	Front Projection Concrete (Steps)
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	28/12/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Front Projection Concrete (Steps)	M25	30/11/2019	28/12/2019	151.29 X 150.01 X 151.34	22695	**9.087**	630.8	27.8	27.7
2	Front Projection Concrete (Steps)	M25	30/11/2019	28/12/2019	150.34 X 151.94 X 150.42	22842	**8.631**	607.2	26.6	
3	Front Projection Concrete (Steps)	M25	30/11/2019	28/12/2019	151.06 X 150.09 X 149.89	22673	**8.235**	653.8	28.8	

* The results obtained are satisfactory as per standard requirements.

Note:

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All information furnished by Customer/Representative
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Samples will be disposed after 30 days from the date of issue of test certificate

Suretha .N.L
AE&LO.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
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Format No. CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-04-19-25** **Date: 24/12/2019**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri. B. Girish, #227. 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.

Customer's Reference : BBMP/EE/BTP/WO/153/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 19-12-19

Customer ID : GF Chajja Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/12/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Chajja Concrete	M25	17/12/2019	24/12/2019	151.00 X 151.68 X 150.55	22904	8.773	539.9	23.6	22.8
2	GF Chajja Concrete	M25	17/12/2019	24/12/2019	150.47 X 150.69 X 149.30	22674	8.861	501.3	22.1	
3	GF Chajja Concrete	M25	17/12/2019	24/12/2019	149.24 X 151.89 X 150.74	22669	8.679	516.2	22.8	

* The results obtained are satisfactory as per standard requirements.

Note:

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Swathi-NL
AEN 10

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-04-19-25** **Date: 14/01/2020**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division. BBMP, Bangalore.

Project Name : Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri. B. Girish, #227, 32 A Cross, 7th Block. Jayanagara, Bangalore-560011.

Customer's Reference : BBMP/EE/BTP/WO/153/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 19-12-19

Customer ID : GF Chajja Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 14/01/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	GF Chajja Concrete	M25	17/12/2019	14/01/2020	149.88 X 149.91 X 150.78	22468	9.087	607.5	27.0	27.5
2	GF Chajja Concrete	M25	17/12/2019	14/01/2020	152.00 X 150.11 X 151.98	22816	8.631	608.7	26.7	
3	GF Chajja Concrete	M25	17/12/2019	14/01/2020	150.62 X 150.86 X 150.52	22723	8.235	654.1	28.8	

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Note:

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Sunitha. N L
AE L10

Assistant Executive Engineer
Vidyaranyapura Sub Division
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-04-19-25** **Date: 14/12/2019**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency	:	Sri. B Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.
Customer's Reference	:	BBMP/EE/BTP/WO/153/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-12-19
Customer ID	:	GF Column Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	14/12/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Column Concrete	M25	07/12/2019	14/12/2019	149.80 X 151.20 X 151.27	22649	8.773	539.4	23.8	23.0
2	GF Column Concrete	M25	07/12/2019	14/12/2019	151.58 X 149.57 X 149.34	22673	8.861	511.4	22.6	
3	GF Column Concrete	M25	07/12/2019	14/12/2019	150.14 X 150.30 X 151.56	22566	8.679	510.5	22.6	

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Sunitha .N.L
AE W10

Assistant Executive Engineer
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-04-19-25** **Date: 04/01/2020**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency	:	Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.
Customer's Reference	:	BBMP/EE/BTP/WO/153/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-12-19
Customer ID	:	GF Column Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	04/01/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Column Concrete	M25	07/12/2019	04/01/2020	150.87 X 149.26 X 151.46	22520	**9.087**	627.9	27.9	27.8
2	GF Column Concrete	M25	07/12/2019	04/01/2020	151.66 X 150.97 X 151.83	22896	**8.631**	611.3	26.7	
3	GF Column Concrete	M25	07/12/2019	04/01/2020	150.14 X 149.98 X 150.55	22519	**8.235**	651.7	28.9	

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Suvetha.N.L
AE WIO

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-04-19-25 **Date: 03/12/2019**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.

Customer's Reference : BBMP/EE/BTP/WO/153/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-11-19

Customer ID : Plinth Beam Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/ Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/12/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Plinth Beam Concrete	M25	26/11/2019	03/12/2019	151.07 X 151.11 X 150.47	22828	8.773	534.7	23.4	22.7
2	Plinth Beam Concrete	M25	26/11/2019	03/12/2019	149.45 X 151.68 X 149.32	22669	8.861	507.1	22.4	
3	Plinth Beam Concrete	M25	26/11/2019	03/12/2019	149.52 X 150.27 X 151.80	22469	8.679	499.4	22.2	

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Note:

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Suvitha. N.L
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Assistant Executive Engineer
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-04-19-25** **Date: 24/12/2019**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.

Customer's Reference : BBMP/EE/BTP/WO/153/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-11-19

Customer ID : Plinth Beam Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/12/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Plinth Beam Concrete	M25	26/11/2019	24/12/2019	151.92 X 149.14 X 150.61	22658	9.087	612.4	27.0	27.4
2	Plinth Beam Concrete	M25	26/11/2019	24/12/2019	150.26 X 151.49 X 149.64	22762	8.631	597.5	26.3	
3	Plinth Beam Concrete	M25	26/11/2019	24/12/2019	150.42 X 151.14 X 151.79	22734	8.235	657.0	28.9	

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AE 410

Assistant Executive Engineer
Vidyaranyapura Sub Division
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-04-19-25** **Date: 24/12/2019**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency	:	Sri B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.
Customer's Reference	:	BBMP/EE/BTP/WO/153/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-12-19
Customer ID	:	GF Lintel Beam Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/12/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Lintel Beam Concrete	M25	17/12/2019	24/12/2019	151.27 X 150.01 X 151.24	22692	8.773	525.1	23.1	22.9
2	GF Lintel Beam Concrete	M25	17/12/2019	24/12/2019	151.91 X 149.85 X 149.87	22763	8.861	516.6	22.7	
3	GF Lintel Beam Concrete	M25	17/12/2019	24/12/2019	150.58 X 149.28 X 149.73	22479	8.679	515.5	22.9	

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Suvitha N L
AE & IO

Assistant Executive Engineer
Vidyaranyapura Sub Division,
BBMP, Bangalore-97

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-04-19-25** **Date: 14/01/2020**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.

Customer's Reference : BBMP/EE/BTP/WO/153/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 19-12-19

Customer ID : GF Lintel Beam Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 14/01/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Lintel Beam Concrete	M25	17/12/2019	14/01/2020	150.10 X 150.47 X 151.46	22585	**9.087**	625.6	27.7	27.6
2	GF Lintel Beam Concrete	M25	17/12/2019	14/01/2020	150.54 X 151.40 X 151.52	22792	**8.631**	594.6	26.1	
3	GF Lintel Beam Concrete	M25	17/12/2019	14/01/2020	150.54 X 151.51 X 149.51	22808	**8.235**	661.3	29.0	

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Suvetha. N.K
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Assistant Executive Engineer
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-04-19-25** **Date: 02/01/2020**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency	:	Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.
Customer's Reference	:	BBMP/EE/BTP/WO/153/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-12-19
Customer ID	:	GF Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS. 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/01/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Roof Concrete	M25	26/12/2019	02/01/2020	151.45 X 151.04 X 149.16	22875	8.773	540.3	23.6	23.0
2	GF Roof Concrete	M25	26/12/2019	02/01/2020	151.36 X 149.33 X 149.83	22603	8.861	512.9	22.7	
3	GF Roof Concrete	M25	26/12/2019	02/01/2020	150.51 X 151.50 X 149.04	22804	8.679	514.2	22.5	

* The results obtained are satisfactory as per standard requirements

Note:

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AE W10

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-04-19-25** **Date: 23/01/2020**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency	:	Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.
Customer's Reference	:	BBMP/EE/BTP/WO/153/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-12-19
Customer ID	:	GF Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	23/01/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Roof Concrete	M25	26/12/2019	23/01/2020	150.39 X 150.23 X 150.62	22593	**9.087**	622.6	27.6	27.3
2	GF Roof Concrete	M25	26/12/2019	23/01/2020	150.33 X 150.08 X 151.80	22562	**8.631**	591.9	26.2	
3	GF Roof Concrete	M25	26/12/2019	23/01/2020	149.76 X 151.86 X 151.31	22743	**8.235**	637.7	28.0	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
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Samples will be disposed after 30 days from the date of issue of test certificate

Sweetha .N.R
AE010

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore

CIVIL Pro
Sig.....
Date.....
BANGALORE

FOR CIVIL Pro.

P. KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/2017

TEST REPORT FOR SAND MASONRY MORTARS

Lab ID : **CP-2021-04-19-25** **Date: 19-12-19**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.

Customer's Reference : BBMP/EE/BTP/WO/153/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-12-19

Sample Type : Fine Aggregate, M.Sand for Mortar

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption

Date of test : 16-12-19

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (RA-2007)
1	4.75 mm	0	0	0	100	100
2	2.36 mm	85	85	8.5	91.5	90-100
3	1.18 mm	200	285	28.5	71.5	70-100
4	600 micron	146	431	43.1	56.9	40-100
5	300 micron	116.5	547.5	54.8	45.3	5-70
6	150 micron	412.5	960	96.0	4.0	0-15
7	Pan	40	1000	100.0	0.0	0

Sumetha. N R
AE LSIO

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

CIVIL PRO Sig..... Date..... BANGALORE

TEST REPORT FOR SAND MASONRY MORTARS

Lab ID : **CP-2021-04-19-25** **Date: 19-12-19**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	3.18	_
2	Specific Gravity	2.51	_
3	Material finer than 75 micron(%)	12.2	Crushed Fine aggregate Max 15%
4	Compacted Bulk Density (Kg/litre)	1.90	_
5	Loose Bulk Density (Kg/litre)	1.73	_

* The results obtained are satisfactory as per standard requirements.

Note:

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Sweetle . N K
AE 6110

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/2017

TEST REPORT FOR PLASTER SAND

Lab ID	:	**CP-2021-04-19-25** **Date: 20-12-19**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of School Building and Repair of (Flooring, Painting to School Shulter) at Govt School, Ramachandrapura in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency	:	Sri. B. Girish, #227, 32 A Cross, 7th Block, Jayanagara, Bangalore-560011.
Customer's Reference	:	BBMP/EE/BTP/WO/153/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-12-19
Sample Type	:	Plaster Sand
Reference to BIS codes	:	IS: 383 : 2016 (Specification for Coarse and fine Aggregates) IS1542:1992 (Sand for Plaster - Specification) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	16-12-19
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained	% Cumulative Weight Retained	% Passing	Requirement as per IS 1542:1992
1	10 mm	0	0	0	100	100
2	4.75 mm	35	35	3.5	96.5	95-100
3	2.36 mm	15	50	5	95	95-100
4	1.18 mm	50	100	10	90	90-100
5	600 micron	100	200	20	80	80-100
6	300 micron	215	415	41.5	58.5	20-65
7	150 micron	500	915	91.5	8.5	0-15
8	Pan	85	1000	100	0	---

Sweetha. N.L
AE N.O.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

CIVIL Pro Sig..... Date..... BANGALORE

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2021-04-19-25** **Date: 20-12-19**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.8	–
2	Specific Gravity	2.56	–
3	Material finer than 75 micron(%)	8.5	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

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Quality Manager

Suvetha. N L
AE L1D

Assistant Executive Engineer
Vidyaranyapura Sub Division
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****End of Report****